Subject Index

3D Sonography
integrating 2D and 3D multiplanar sonography in the prenatal diagnosis of Arnold-Chiari type 2 malformation, 24
integrating 3D sonography with targeted MRI in the prenatal diagnosis of posterior cleft palate *plus* cleft lip, 367
Abdominal aortic thrombus
aortic pseudothrombus, 131
Acalvaria
primary acalvaria, 407
Advanced practice sonographer
implementation of a sonographer's career ladder, 191
Alcohol ablation
interventional echocardiography, 231
American Registry for Diagnostic Medical Sonographers (ARDMS)
ARDMS OB/GYN task analysis results, 92
Aneurysm
sinus of Valsalva (SVA), 182
Apex
apical papillary fibroelastoma, 382
Arnold-Chiari malformation
integrating 2D and 3D multiplanar sonography in the prenatal diagnosis of Arnold-Chiari type 2 malformation, 24
Atrial fibrillation
percutaneous balloon mitral valvuloplasty during pregnancy, 117

Balloon valvuloplasty
percutaneous balloon mitral valvuloplasty during pregnancy, 117
Body surface map
comparative analysis using the 80-lead body surface map and 12-lead ECG with exercise stress echocardiograms, 308
Burnout
understanding sonographer burnout, 200

Calcifications
sonographic diagnosis of fibromatosis colli, 399
Carcinoid heart disease
a classic example by echocardiography, 263
Carcinomatosis dissemination
the peritoneum: sonographic evaluation of peritoneal carcinoma with carcinomatosis dissemination, 258
Carotid sonography
incidence of visualized thyroid abnormalities during carotid duplex evaluations, 161
Cesarean section
ectopic pregnancy within a cesarean section scar, 395
Chemodectoma
sonography of the carotid body tumor [literature review], 85
Chondroectodermal dysplasia
Ellis–van Creveld syndrome, 111
Chronic venous insufficiency
May-Thurner syndrome presenting with venous claudication, 243
Cleft palate
integrating 3D sonography with targeted MRI in the prenatal diagnosis of posterior cleft palate *plus* cleft lip, 367
Clinical instructor
implementation of a sonographer's career ladder, 191
Color Doppler
B-flow sonography for detecting portal venous stenosis after liver transplantation, 253
color Doppler imaging of the scrotum, 221
semiquantitative and quantitative color flow mapping methods, 167
vulvar varicosities presenting as bilateral vulvar masses in pregnancy, 387
Compassion fatigue
understanding sonographer burnout, 200
Conjoined twins
thoracopagus conjoined twins, 53
Cranial defect
primary acalvaria, 407
Credentialing
ARDMS OB/GYN task analysis results, 92
Cryptorchidism
assessment of diagnostic value of sonography for cryptorchidism, 42
Cyclopia
prenatal diagnosis of holoprosencephaly with cyclopia, 56

Deep venous thrombosis
sonographic evaluation of frozen venous valves, 337
Diabetes mellitus
femoral hypoplasia—unusual facies, 391

Diagnosis
assessment of diagnostic value of sonography for cryptorchidism, 42
Diagnostic medical sonography
ARDMS OB/GYN task analysis results, 92
Diastolic function
diastolic function, 99
Doppler
diastolic function, 99
vulvar varicosities presenting as bilateral vulvar masses in pregnancy, 387

Echocardiography
apical papillary fibroelastoma, 382
comparative analysis using the 80-lead body surface map and 12-lead ECG with exercise stress echocardiograms, 308
discrepancies between echocardiographic spectral Doppler and catheterization pressures, 267
echocardiographic features of postesophagogastrectomy intrathoracic stomach mimicking intracardiac mass, 340
leiomyosarcoma of the left atrium, 332
Echogenic artifact
aortic pseudothrombus, 131
Echogenic intracardiac focus
influence of fetal heart orientation on the sonographic identification of an echogenic intracardiac focus in the left ventricle, 48
Ectopic pregnancy
ectopic pregnancy within a cesarean section scar, 395
Ellis–van Creveld syndrome
percutaneous balloon mitral valvuloplasty during pregnancy, 111
Endoanal sonography
fistula in ano: role of transperineal and transvaginal sonography, 375
Epididymo-orchitis torsion
color Doppler imaging of the scrotum, 221
Ergonomics
surface EMG evaluation of sonographer scanning postures, 298
Esophagogastrectomy
echocardiographic features of postesophagogastrectomy intrathoracic stomach mimicking intracardiac mass, 340
Exam blueprint
ARDMS OB/GYN task analysis results, 92
Femoral facial syndrome
femoral hypoplasia—unusual facies, 391
Fetal circulation
review of fetal circulation and the segmental approach in fetal echocardiography, 29
Fetal echocardiography
influence of fetal heart orientation on the sonographic identification of an echogenic intracardiac focus in the left ventricle, 48
review of fetal circulation and the segmental approach in fetal echocardiography, 29
Fetal gallbladder
fetal cholelithiasis, 403
Fibromatosis colli
sonographic diagnosis of fibromatosis colli, 399
Fistula in ano
fistula in ano: role of transperineal and transvaginal sonography, 375
Foreign bodies
use of sonography in the identification, localization, and removal of soft tissue foreign bodies, 5
"Frozen" venous valves
sonographic evaluation of frozen venous valves, 337

Germ cell tumors
color Doppler imaging of the scrotum, 221

Glomus tumors
sonography of the carotid body tumor [literature review], 85

Heart catheterization
discrepancies between echocardiographic spectral Doppler and catheterization pressures, 267
Heart orientation
influence of fetal heart orientation on the sonographic identification of an echogenic intracardiac focus in the left ventricle, 48
Hepatic system
sonographic evaluation of the portal and hepatic systems, 317
Hip sonography
pediatric hip pain: transient synovitis versus septic arthritis, 185
sonographic diagnosis of fibromatosis colli, 399
Holoprosencephaly
prenatal diagnosis of holoprosencephaly with cyclopia, 56
Hydrocele
color Doppler imaging of the scrotum, 221
Hydrocephalus
integrating 2D and 3D multiplanar sonography in the prenatal diagnosis of Arnold-Chiari type 2 malformation, 24

Hypoechoic halo
use of sonography in the identification, localization, and removal of soft tissue foreign bodies, 5

Iliocaval obstruction
May-Thurner syndrome presenting with venous claudication, 243
Iliofemoral thrombosis
May-Thurner syndrome presenting with venous claudication, 243
Inferior vena cava (IVC)
recurrent renal cell carcinoma postnephrectomy with intracardiac extensions, 127
Intraoperative sonography
interventional echocardiography, 231
Intrathoracic stomach
echocardiographic features of postesophagogastrectomy intrathoracic stomach mimicking intracardiac mass, 340

Job satisfaction
understanding sonographer burnout, 200

Kidney
incidental sonographic finding of bilateral ureteroceles, 123

Left ventricular function
diastolic function, 99
Leiomyosarcoma
leiomyosarcoma of the left atrium, 332
Liver transplantation
B-flow sonography for detecting portal venous stenosis after liver transplantation, 253
Lymphangiogenesis
the peritoneum: sonographic evaluation of peritoneal carcinoma with carcinomatosis dissemination, 258

Magnetic resonance imaging (MRI)
integrating 3D sonography with targeted MRI in the prenatal diagnosis of posterior cleft palate *plus* cleft lip, 367
May-Thurner syndrome
May-Thurner syndrome presenting with venous claudication, 243
Mesothelial-germinal epithelial cells
the peritoneum: sonographic evaluation of peritoneal carcinoma with carcinomatosis dissemination, 258
Mitral stenosis
percutaneous balloon mitral valvuloplasty during pregnancy, 117
Modified Bernoulli's equation
discrepancies between echocardiographic spectral Doppler and catheterization pressures, 267
Monozygotic
thoracopagus conjoined twins, 53

Neck mass
sonographic diagnosis of fibromatosis colli, 399

OB/GYN
ARDMS OB/GYN task analysis results, 92
Obstetrical fetal heart
review of fetal circulation and the segmental approach in fetal echocardiography, 29
Open spina bifida
integrating 2D and 3D multiplanar sonography in the prenatal diagnosis of Arnold-Chiari type 2 malformation, 24

Papillary fibroelastoma (PFE)
apical papillary fibroelastoma, 382
Paraganglioma
sonography of the carotid body tumor [literature review], 85
Pediatrics
pediatric hip pain: transient synovitis versus septic arthritis, 185
Pericardiocentesis
interventional echocardiography, 231
Peritoneal carcinoma
the peritoneum: sonographic evaluation of peritoneal carcinoma with carcinomatosis dissemination, 258
Plagiocephaly
sonographic diagnosis of fibromatosis colli, 399
Portal system
sonographic evaluation of the portal and hepatic systems, 317
Portal vein stenosis
B-flow sonography for detecting portal venous stenosis after liver transplantation, 253
Postnephrectomy RCC
recurrent renal cell carcinoma postnephrectomy with intracardiac extensions, 127
Postthrombotic syndrome
sonographic evaluation of frozen venous valves, 337

Power Doppler
use of sonography in the identification, localization, and removal of soft tissue foreign bodies, 5
Pregnancy
ectopic pregnancy within a cesarean section scar, 395
vulvar varicosities presenting as bilateral vulvar masses in pregnancy, 387
Prenatal diagnosis
influence of fetal heart orientation on the sonographic identification of an echogenic intracardiac focus in the left ventricle, 48
integrating 2D and 3D multiplanar sonography in the prenatal diagnosis of Arnold-Chiari type 2 malformation, 24
Proboscis
prenatal diagnosis of holoprosencephaly with cyclopia, 56
Proximal isovelocity surface area
semiquantitative and quantitative color flow mapping methods, 167

Regurgitant quantification
semiquantitative and quantitative color flow mapping methods, 167
Renal cell carcinoma (RCC)
recurrent renal cell carcinoma postnephrectomy with intracardiac extensions, 127
Rheumatic fever
percutaneous balloon mitral valvuloplasty during pregnancy, 117
Right heart failure
carcinoid heart disease, 263

Sarcoma
leiomyosarcoma of the left atrium, 332
SDMS-JDMS CME tests
abdomen (AB), 22, 329
adult echocardiography (AE), 109, 180, 241
obstetric (OB/GYN), 373
pediatric echocardiography (PE), 40
vascular technology (VT), 90, 165
other, 306
Septic arthritis
pediatric hip pain: transient synovitis versus septic arthritis, 185
Shadowing artifacts
use of sonography in the identification, localization, and removal of soft tissue foreign bodies, 5
Short-rib polydactyly syndrome
Ellis–van Creveld syndrome, 111
sinus of Valsalva (SVA), 182
Skeletal dysplasia
Ellis–van Creveld syndrome, 111

Soft tissue
use of sonography in the identification, localization, and removal of soft tissue foreign bodies, 5
Sonographer classification
implementation of a sonographer's career ladder, 191
Sonographer scanning technique
surface EMG evaluation of sonographer scanning postures, 298
Sonographers
implementation of a sonographer's career ladder, 191
understanding sonographer burnout, 200
Sonography
aortic pseudothrombus, 131
assessment of diagnostic value of sonography for cryptorchidism, 42
B-flow sonography for detecting portal venous stenosis after liver transplantation, 253
ectopic pregnancy within a cesarean section scar, 395
influence of fetal heart orientation on the sonographic identification of an echogenic intracardiac focus in the left ventricle, 48
integrating 3D sonography with targeted MRI in the prenatal diagnosis of posterior cleft palate *plus* cleft lip, 367
the peritoneum: sonographic evaluation of peritoneal carcinoma with carcinomatosis dissemination, 258
sonographic evaluation of the portal and hepatic systems, 317
Stenosis
B-flow sonography for detecting portal venous stenosis after liver transplantation, 253
Sternocleidomastoid
sonographic diagnosis of fibromatosis colli, 399
Stress echocardiogram
comparative analysis using the 80-lead body surface map and 12-lead ECG with exercise stress echocardiograms, 308
Surface electromyography (SEMG)
surface EMG evaluation of sonographer scanning postures, 298

Testicular neoplasms
color Doppler imaging of the scrotum, 221
Thoracopagus
thoracopagus conjoined twins, 53
Thyroid abnormalities
incidence of visualized thyroid abnormalities during carotid duplex evaluations, 161
Torticollis
sonographic diagnosis of fibromatosis colli, 399

Transesophageal echocardiography
leiomyosarcoma of the left atrium, 332
Transesophageal echocardiography (TEE)
sinus of Valsalva (SVA), 182
Transient ischemic attack (TIA)
apical papillary fibroelastoma, 382
Transient synovitis
pediatric hip pain: transient synovitis versus septic arthritis, 185
Transperineal sonography
fistula in ano: role of transperineal and transvaginal sonography, 375
Transthoracic
diastolic function, 99
Transthoracic echocardiography
leiomyosarcoma of the left atrium, 332
Transvaginal sonography
primary acalvaria, 407
Tricuspid regurgitation
carcinoid heart disease, 263
discrepancies between echocardiographic spectral Doppler and catheterization pressures, 267
Tumor cell entrapment
the peritoneum: sonographic evaluation of peritoneal carcinoma with carcinomatosis dissemination, 258
Twins
thoracopagus conjoined twins, 53

Ultrasound
fetal cholelithiasis, 403
the peritoneum: sonographic evaluation of peritoneal carcinoma with carcinomatosis dissemination, 258
prenatal diagnosis of holoprosencephaly with cyclopia, 56
Ultrasound technician
implementation of a sonographer's career ladder, 191
Ureteroceles
incidental sonographic finding of bilateral ureteroceles, 123

Valsalva maneuver
vulvar varicosities presenting as bilateral vulvar masses in pregnancy, 387
Valvular heart disease
percutaneous balloon mitral valvuloplasty during pregnancy, 117
Valvuloplasty
interventional echocardiography, 231
Varicocele
color Doppler imaging of the scrotum, 221
Vascular ultrasound
vulvar varicosities presenting as bilateral vulvar masses in pregnancy, 387
Venous claudication
May-Thurner syndrome presenting with venous claudication, 243
Venous insufficiency
sonographic evaluation of frozen venous valves, 337
Ventricular tachycardia (VT)
sinus of Valsalva (SVA), 182
Vulvar varicosities
vulvar varicosities presenting as bilateral vulvar masses in pregnancy, 387

Work-related musculoskeletal disorders (WRMSD)
surface EMG evaluation of sonographer scanning postures, 298

Author Index

Adams, J. M.: *see* Toepfer, N. J.
Adibelli, Z.: *see* Oztekin, O.
Alexander, P. B.: *see* Al-Makhamreh, H.
Al-Makhamreh, H., Alexander, P. B., Lee, M., Nona, W. E.: Sinus of Valsalva Aneurysm (SVA), 182
Almon, J. M.: *see* Gardner, S. K.
Altman, D.: Laboratory Accreditation: Who Needs It? 345
Ayers, E.: Incidental Sonographic Finding of Bilateral Ureteroceles, 123

Babcock, D. S.: *see* Toepfer, N. J.
Baker, A. L.: *see* Dubose, T. J.
Baker, C. A.: Apical Papillary Fibroelastoma, 382
Balderston, K.: *see* DuBose, T.
Barton, L. E.: *see* Gardner, S. K.
Bernhardt, S.: Sonography of the Carotid Body Tumor: A Literature Review, 85
Bierig, S. Michelle: Letter From the Editor: Spread the Word, 297
Bullock, S.: *see* LaRiviere, M.

Calton, S.: *see* DuBose, T.
Centini G.: *see* Tonni, G.
Chadwell, K.: Interventional Echocardiography, 231
Chapman, J. V.: Semiquantitative and Quantitative Color Flow Mapping Methods, 167
Chhokar, V.: *see* Minderman, D.
Clevert, D.-A., Stickel, M., Michaely, H. J., Loehe, F., Graeb, C., Steitz, H. O., Strautz, T., Flach, P., Schoenberg, S. O., Jauch, K. W., Reiser, M. F.: B-Flow Sonography for Detecting Portal Venous Stenosis After Liver Transplantation, 253
Cooley, B.: *see* Wilson, M.
Coon, F. E., Hanson, C.: Discrepancies Between Echocardiographic Spectral Doppler and Catheterization Pressures, 267
Cosgrove, F. J.: *see* Ratner, A. N.
Craig, M.: Honoring Our Heritage: Shirley J. Staiano, MS, RDMS, RDCS, 157

Dabra, A.: *see* Jhobta, J.
Daghighi, M. H., Fathi, A. H., Pourfathi, H.: Assessment of Diagnostic Value of Sonography for Cryptorchidism, 42
D'Cruz, I.: *see* Minderman, D.
De Felice, C.: *see* Tonni, G.
De Los Santos, L.: *see* Rodriguez, J. D.
Diacon, L.: *see* DuBose, T.
Digiacinto, D.: *see* Flores, K.
Dillon, E. H.: *see* Dmitrieva, J.
Dmitrieva, J., Dillon, E. H.: Vulvar Varicosities Presenting as Bilateral Vulvar Masses in Pregnancy, 387
DuBose, T., Weinberg, K. E., Calton, S., Diacon, L., Balderston, K.: ARDMS OB/GYN Task Analysis Results, 92
DuBose, T. J.: Are You Being Cited for Your Good Work? 159
Dubose, T. J., Baker, A. L.: Doppler Football, 135

Evans, K. D.: Unplugging the Public as to the Production of Sonography, 138

Fathi, A. H.: *see* Daghighi, M. H.
Fischer, R. L., Sveinbjornsson, G. L.: Influence of Fetal Heart Orientation on the Sonographic Identification of an Echogenic Intracardiac Focus in the Left Ventricle, 48
Flach, P.: *see* Clevert, D.-A.
Flores, K., Digiacinto, D.: Recurrent Renal Cell Carcinoma Postnephrectomy With Intracardiac Extensions, 127
Fox, T. B.: Multiple Pregnancies: Determining Chorionicity and Amnionicity, 59
France, R. A.: A Review of Fetal Circulation and the Segmental Approach in Fetal Echocardiography, 29

Gardner, S. K., Almon, J. M., Barton, L. E., Ramsey, L. M.: Ellis–van Creveld Syndrome, 111
Gibbs, T. S.: The Use of Sonography in the Identification, Localization, and Removal of Soft Tissue Foreign Bodies, 5
Gillis, J. C.: *see* Scissons, R. P.
Goldglantz, D.: *see* Peters, P. J.
Graeb, C.: *see* Clevert, D.-A.
Grummert, E., Michael, K.: Pediatric Hip Pain: Transient Synovitis Versus Septic Arthritis, 185

Hagen-Ansert, S. L.: Society of Diagnostic Medical Sonographers: A Timeline of Historical Events in Sonography and the Development of the SDMS: In the Beginning . . ., 272
Hanson, C.: *see* Coon, F. E.
Having, K.: *see* LaRiviere, M.

Hinton, T.: Leiomyosarcoma of the Left Atrium: A Journey Into the Rare and Unknown, 332
Holland, C. K.: *see* Toepfer, N. J.
Hoskins, M.: *see* Scissons, R. P.

Jauch, K. W.: *see* Clevert, D.-A.
Jhobta, J., Kaur, R., Jhobta, R., Dabra, A., Kochhar, S.: Fistula in Ano: Role of Transperineal and Transvaginal Sonography, 377
Jhobta, R.: *see* Jhobta, J.

Kastanek, B, Michael, K.: Femoral Hypoplasia—Unusual Facies Syndrome, 391
Kaur, R.: *see* Jhobta, J.
Kavic, T., Kimbrow, L.: Sonographic Evaluation of Frozen Venous Valves, 337
Keller, S.: *see* Ruvo, C.
Kimbrow, L.: *see* Kavic, T.
Kochhar, S.: *see* Jhobta, J.

LaRiviere, M., Having, K., Bullock, S.: Fetal Cholelithiasis, 403
Lee, M.: *see* Al-Makhamreh, H.
Loehe, F.: *see* Clevert, D.-A.

Meyers, P.: *see* Owen, C. A.
Michael, K.: *see* Grummert, E.
Michael, K.: *see* Kastanek, B.
Michaely, H. J.: *see* Clevert, D.-A.
Milkowski, A.: *see* Murphey, S. L.
Minderman, D., Chhokar, V., D'Cruz, I.: Echocardiographic Features of Postesophagogastrectomy Intrathoracic Stomach Mimicking Intracardiac Mass, 340
Murphey, S. L., Milkowski, A.: Surface EMG Evaluation of Sonographer Scanning Postures, 297

Nona, W. E.: *see* Al-Makhamreh, H.

Owen, C. A., Meyers, P.: Sonographic Evaluation of the Portal and Hepatic Systems, 317
Owen, C. A., Winter, T., III: Color Doppler Imaging of the Scrotum, 221
Oztekin, D.: *see* Oztekin, O.
Oztekin, O.: *see* Oztekin, O.
Oztekin, O., Oztekin, D., Tinar, S., Oztekin, O., Adibelli, Z.: Prenatal Diagnosis of Holoprosencephaly With Cyclopia, 56

Padua, H. M.: Diagnostic Challenge, 189
Panteghini, M.: *see* Tonni, G.
Pattacini, P.: *see* Tonni, G.
Penny, S.: Sonographic Diagnosis of Fibromatosis Colli, 399
Peters, P. J., Goldglantz, D., Sadler, M., Schuck, J., Weiss, M., Tarditi, D.: Percutaneous Balloon Mitral Valvuloplasty During Pregnancy, 117
Pourfathi, H.: *see* Daghighi, M. H.

Racadio, J. M.: *see* Toepfer, N. J.
Raines, C.: Primary Acalvaria, 407
Rajan, S.: Ectopic Pregnancy Within a Cesarean Section Scar, 395
Ramsey, L. M.: *see* Gardner, S. K.
Ratner, A. N., Terrone, D., Cosgrove, F. J.: Thoracopagus Conjoined Twins, 53
Reiser, M. F.: *see* Clevert, D.-A.
Ricker, D.: The Peritoneum: Sonographic Evaluation of Peritoneal Carcinoma With Carcinomatosis Dissemination, 258
Rodriguez, J. D., De Los Santos, L.: Comparative Analysis Using the 80-Lead Body Surface Map and 12-Lead ECG With Exercise Stress Echocardiograms, 308
Ruvo, C., Keller, S.: Carcinoid Heart Disease: A Classic Example by Echocardiography, 263

Sadler, M.: *see* Peters, P. J.
Schoenberg, S. O.: *see* Clevert, D.-A.
Schuck, J.: *see* Peters, P. J.
Scissons, R. P., Hoskins, M., Gillis, J. C.: Incidence of Visualized Thyroid Abnormalities During Carotid Duplex Evaluations, 161
Steitz, H. O.: *see* Clevert, D.-A.
Stickel, M.: *see* Clevert, D.-A.
Strautz, T.: *see* Clevert, D.-A.
Sulzdorf, L.: May-Thurner Syndrome Presenting With Venous Claudication: A Common Sequela of Iliofemoral Thrombosis, 243
Sveinbjornsson, G. L.: *see* Fischer, R. L.

Tarditi, D.: *see* Peters, P. J.
Taylor, D.: Diastolic Function: The Necessary Basics, 99
Terrone, D.: *see* Ratner, A. N.
Tinar, S.: *see* Oztekin, O.
Toepfer, N. J., Racadio, J. M., Adams, J. M., Babcock, D. S., Holland, C. K.: Aortic Pseudothrombus: A Sonographic Artifact in the Abdominal Aorta, 131
Tonni, G., Panteghini, M., Pattacini, P., De Felice, C., Centini, G., Ventura, A. Integrating 3D Sonography

With Targeted MRI in the Prenatal Diagnosis of Posterior Cleft Palate *Plus* Cleft Lip, 367
Tonni, G., Ventura, A.: Integrating 2D and 3D Multiplanar Sonography in the Prenatal Diagnosis of Arnold-Chiari Type 2 Malformation, 24

Ventura, A.: *see* Tonni, G.

Walvoord, K. H.: Understanding Sonographer Burnout, 200
Weinberg, K. E.: *see* DuBose, T.
Weiss, M.: *see* Peters, P. J.
Wilson, M., Cooley, B.: The Implementation of a Sonographer's Career Ladder, 191
Winter, III, T.: *see* Owen, C. A.